Whole Earth

WINTER: 2002

Managing Editor **Michael K. Stone**
Associate Editor **Emily Polk**
Editor at Large **Peter Warshall**
Guest Editor (Cool Tools Catalog) **Kevin Kelly**
Contributing Editors **J. Baldwin, Linda Connor, Dan Imhoff**
Designers **Stephanie Johnston, Monika Rose**
Publisher **David Bolling**
Business Manager **Devon King**
Development Director **Stephanie Guyer-Stevens**
Advertising Director **Ray Whelan**
Accountant **Pamela Netzow**
Advertising Sales: 415/256-2800, ext. 225.

Founder **Stewart Brand**
Point Foundation Board **Danica Remy**, Chair **Sunita Dutt, Diana Hadley, Robert Hillman, Ron Pernick**
Advisory Board **Polly Arenberg, Gary Bolles, Kimo Campell, Ty Cashman, Peter B. Collins, Napier Collyns, Keith Jordan, Jonathan Nelson**
Editorial Board **Steve Barnett, Sue Hall, Wes Jackson, Jaron Lanier, Jerry Mander, Vijaya Nagarajan, Sharyle Patton, Godfrey Reggio, Wolfgang Sachs, Gary Snyder, Andrew Weil**

Address editorial and business inquiries to *Whole Earth*, 1408 Mission Avenue San Rafael, CA 94901-1971 Email: info@wholeearthmag.com

SUBSCRIPTIONS: US $24; Canada $32 (incl. postage and GST); elsewhere $39 (US funds). Customer service, *Whole Earth*, PO Box 3000, Denville, NJ 07834-9879, or 888/732-6739.

Whole Earth (ISSN 1097-5268) is published quarterly by Point Foundation, a nonprofit educational organization, 1408 Mission Avenue, San Rafael, CA 94901-1971 (415/256-2800). Periodicals postage paid at San Rafael, CA and additional mailing offices. POSTMASTER: send address changes to *Whole Earth*, PO Box 3000, Denville, NJ 07834-9879. Copyright © 2002 by Point. Printed in USA.

TABLE OF CONTENTS

WE#110 WINTER'02

3 Publisher's Statement

PACKAGING

8 Thinking Outside of the Box: A Systems View of Packaging *by Daniel Imhoff*
23 How Is Germany Dealing With Its Packaging Waste? *by Sara Bloom*
26 Packaging Tips From the Porcupine Fish (and other Wild Packagers) *by Janine M. Benyus and Dayna Baumeister*

OTHER FEATURES

30 Chicken Wisdom *by Shepherd Bliss*
80 Two Women Two Worlds *by Audrey McCollum*
86 Curious Minds: The Story of TED *by Gary Bolles*
90 How Much Liberty Should Be Sacrificed for Security? Winning Essays from *The Economist*/Shell Competition
106 How We Choose What We Review *by Michael K. Stone*

REVIEWS

32 The Chicken Book, Storey's Guide to Raising Chickens, Extraordinary Chickens, United Poultry Concerns
84 Two Women Two Worlds
85 Critical Mass, Leftturn, ATTRA, organicvolunteers.com
95 Tropical Truth, Brutality Garden
96 **World Music Favorites** *by Doctor Rhythm*
100 Earth from Above
101 Emmet Gowin
102 Asia Grace
103 You Are My I Love You, Little Rat Sets Sail, Enemy Pie

COOL TOOLS: KEVIN KELLY'S CATALOG

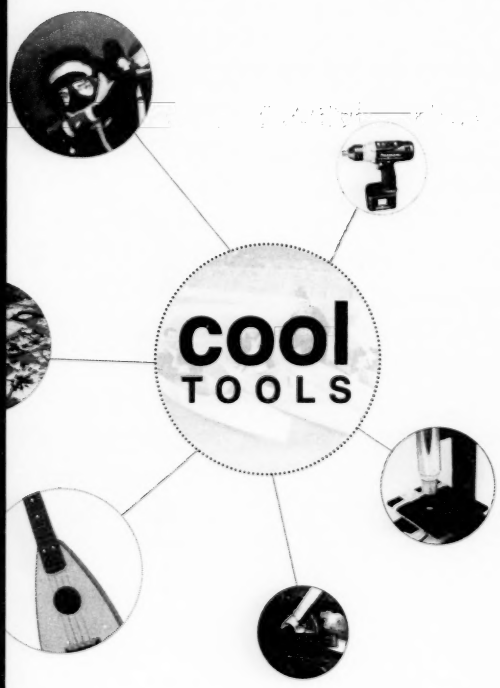
WHOLE SYSTEMS

34 World Map Wallpaper, 2nd Largest World Map, HourWorld
35 Diagrammatic Chart of World History, Ancient Civilizations, Centennia Atlas
36 1900 House, Frontier House, Eyewitness to History
37 A Guide to Oriental Classics, The New Lifetime Reading Plan
38 **The State of the Conspiracy Nation** *by Jay Kinney*
39 Ten Current Conspiracy Theories
40 Slack
41 The Future of Ideas, Redesigning Humans

ART & MEDIA

42 Oblique Strategies, False Colors
43 Art & Fear, Sculpey
44 Fruits, Tie-Dye!, Procion Dyes
45 Stuntology
46 **More True Films** *by Kevin Kelly, James Daly, and Richard Kadrey*
48 Videohound's World Cinema
49 Theater Prop Handbook, The Fluke Ukulele, iRock

TABLE OF CONTENTS



50 **Radio Production Tools** *by Jay Allison*
The Rough Guide to Internet Radio
51 Story, The Self-Publishing Manual
52 **Artifact Networks** *by Kevin Kelly*

COMMUNITY
54 Will Your Home Survive?, High Country Gardens, A Garden from a Hundred Packets of Seed, Felco Pruners
55 Community Quilts, The New Farmers' Market, Community Boatbuilding Manual

HEALTH
56 Juvenon, Chi Ionizer, Mind Over Back Pain
57 **One Highly Evolved Medical Self-Care Tool Kit** *by Tom Ferguson*
59 **More Tools for the Highly Evolved Medicine Chest** *by Kevin Kelly*
61 Marathon

NOMADICS
62 Mosquito Netting, Chinook Medical Gear, Jungle Travel and Survival
63 The Complete Walker IV, Beyond Backpacking
64 GoLite Gear, Fast Food
65 **Light Backpacking Tools** *by Stewart Brand*
66 Extreme Alpinism
67 Chainless Bicycle, Adventure Cycling, Rohloff Speedhub
68 K-2 Kickboard Scooter, Trekking in Russia & Central Asia, Black Ice Dog Sledding Equipment
69 **Rebreathers** *by Rich Pyle*
70 Firetowers, Lookouts & Rustic Cabins for Rent, The Worst Case Scenario Survival Handbooks
71 Autocamp-Knüller Car-top Tent, Canopies

LEARNING
72 Scientific American The Amateur Biologist
73 The Amateur Scientist, Science Hobbyist, The Brock Magicscope, Science Toys You Can Make with Your Kids
74 Micro-Mark, White Dwarf, Small Parts, Plastruct

TOOLS AND TECHNOLOGY
75 Griphoist Hand Winch, Panasonic Cordless Impact Drivers, Carol Smith's Nuts, Bolts, Fasteners and Plumbing Handbook
76 Pick Up Tool, Solar Recharger, Nuts & Volts magazine, Drain King, Offset Screwdriver, Sew and Knit Gauge, EZ-CD Opener
77 **The Smartly Stocked Home Office** *by Kevin Kelly*
78 The Little Network Book
79 Mac OSX, Mac OSX: The Missing Manual, APC Battery Backup

BACKMATTER
108 Letters, Gossip, Maniacals/Donors, Classifieds, Thanks, Reader Service

www.wholeearthmag.com Whole Earth